

IN THE CLAIMS

1. (Currently Amended) A hermetic compressor, comprising:
a hermetic casing to house therein a drive unit to generate a drive power and a compression unit to suck and compress a gas refrigerant by use of the drive power output from the drive unit; and

a damping unit coupled to the casing to elastically support the hermetic casing with predetermined elasticity, thus changing a resonant frequency of the hermetic casing.

2. (Original) The hermetic compressor according to claim 1, wherein the hermetic casing comprises upper and lower casing parts assembled into a single body, and the damping unit is provided at at least one of the upper and lower casing parts.

3. (Original) The hermetic compressor according to claim 1, wherein the damping unit comprises:

a mounting part at which the damping unit is mounted to the hermetic casing; and
an elastic support part provided in a state of being elastically deformed to elastically support the hermetic casing.

4. (Original) The hermetic compressor according to claim 3, wherein the mounting part of the damping unit is mounted to the hermetic casing through a spot welding process.

5. (Original) The hermetic compressor according to claim 3, wherein the elastic support part comprises a flange part projected in a direction to a length which exceeds a plane aligned with a surface of the mounting part, the flange part thus elastically supporting the hermetic casing in the state of being elastically deformed.

6. (Original) The hermetic compressor according to claim 5, wherein the elastic support part comprises a wing part to connect the flange part to the mounting part, the wing part being rounded in a direction opposite to a projected direction of the flange part so as to allow the elastic support part to elastically support the hermetic casing with the predetermined elasticity.

7. (New) The hermetic compressor according to claim 1 wherein said damping unit includes an elastic portion which is elastically deformed when the damping unit is coupled to the hermetic casing to press against the casing and provide elastic support for the casing and thereby change said resonant frequency thereof.
8. (New) The hermetic compressor according to claim 1, wherein said damping unit comprises a mounting part which is secured to said casing and an elastic part projecting from said mounting part, said elastic part being deformed when the mounting part is secured to the casing and applies resilient force against the casing.
9. (New) The hermetic compressor according to claim 8, wherein said elastic part is curved in a direction away from the casing, said elastic part having one end secured to the mounting part and an opposite end bearing against said casing.
10. (New) The hermetic compressor according to claim 9, wherein said elastic part includes two rounded wing parts extending in opposite directions from said mounting part.